

What is claimed is: 1. A method for providing contents for a wireless communication device said wireless communications device comprising at least means for utilizing the content, and in which method the content comprises at least one content component,

5       **wherein** in the method, said at least one content component is supplemented with at least one data structure, in which data structure information associated with the content component is defined, at least one content packet is formed from at least one content component and at least one data structure is supplemented with said at least one content component, said content packet is stored and said content packet is loaded into said wireless communication device.

10      2. The method according to claim 1, **wherein** the content packet is supplemented with at least one data structure in which information associated with a content packet and information associated with content components in the content packet is defined.

15      3. The method according to claim 1, **wherein** in the method, a content packet server is used, in which content packets are stored, and from which content packets are loaded into the wireless communication device.

20      4. The method according to claim 3, **wherein** in the method, information about the wireless communication device in which the content packet is loaded is also stored into said content packet server.

25      5. The method according to claim 1, **wherein** the content components are stored as separate files which are combined with the content packet at the loading stage, for loading into the wireless communication device.

30      6. The method according to claim 1, **wherein** in the method, at least one item of the following data is defined for the content component:  
data on whether the content component is subject to a charge,  
data on the copy protection of the content component,  
data on the encryption of the content component,

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wherein said data are checked at the stage of loading of the content packet.

- 5        7. The method according to claim 6, **wherein** if, upon checking, at least one content component in the content packet is found to be subject to a charge, a payment charging step is performed, in which the user of the wireless communication device pays for the loading of the content packet.
- 10      8. The method according to claim 6, **wherein** if, upon checking, at least one content component in the content packet is found to be copy protected, information is transmitted at the loading stage to the wireless communication device, for decoding the copy protection of said content component.
- 15      9. The method according to claim 6, **wherein** if, upon checking, at least one content component in the content packet is found to require encryption, said content component is encrypted at the loading stage before loading it to the wireless communication device.
- 20      10. The method according to claim 1, **wherein** the content component contains audiovisual information.
- 25      11. The method according to claim 1, **wherein** the content component contains at least one application which can be executed in the wireless terminal.
- 30      12. The method according to claim 1, **wherein** the content component contains a reference to at least one data storage location.
- 35      13. The method according to claim 1, **wherein** content packets are classified on the basis of the contents of the content components included in the content packets.
- 35      14. The method according to claim 13, **wherein** said stored information is used for informing the user of the wireless communication device about new content packets and/or content packet versions.

15. A content provision system comprising at least means for forming at least one content component of contents, and a wireless communication device with at least means for activating the contents,  
5       **wherein** the content provision system also comprises at least means for forming at least one content component data structure, means for supplementing said at least one content component with said at least one content component data structure, which contains defined information associated with the content component, means for forming  
10      at least one content packet, means for supplementing said content packet with said at least one content component and at least one content component data structure related to said at least one content component, means for storing said content packet, and means for loading said content packet into the wireless communication device.  
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16. The content provision system according to claim 15, **wherein** it comprises means for forming a data structure, and means for supplementing a content packet with at least one data structure, which includes defined information associated with the content packet and information associated with the content components in the content packet.  
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17. The content provision system according to claim 15, **wherein** it comprises at least one content packet loading server equipped with means for storing content packets and means for loading content packets into the wireless communication device.  
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18. The content provision system according to claim 15, **wherein** the content components are stored as separate files, wherein the system comprises means for combining content components belonging to a content packet with the content packet, for loading into the wireless communication device.  
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19. The content provision system according to claim 18, **wherein** different versions of device-specific content components are stored in the content packet server for different types of wireless communication devices, and that the content packet server comprises means for  
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- finding out the properties of the wireless communication device, and means for selecting device-specific content components of the content packet to be loaded, from said stored different versions of device-specific content components, for loading content packets into the wireless communication device.
20. The content provision system according to claim 15, **wherein** at least one item of the following data is defined for the content component:
- 10 data on whether the content component is subject to a charge,  
data on the copy protection of the content component,  
data on the encryption of the content component,  
wherein the content provision system comprises means for checking said data at the stage of loading of the content packet.
- 15 21. The content provision system according to claim 20, **wherein** it also comprises means for charging a payment for the loading of a content component subject to a charge.
- 20 22. The content provision system according to claim 20, **wherein** it further comprises means for copy protecting the content component, and means for transmitting the information required for decoding the copy protection of said content component into the wireless communication device.
- 25 23. The content provision system according to claim 20, **wherein** it further comprises means for encrypting the content component at the stage of loading the content packet, wherein the wireless communication device comprises means for decrypting said content component.
- 30 24. The content provision system according to claim 15, **wherein** content packets are classified on the basis of the contents of the content components included in the content packets.
- 35 25. The content provision system according to claim 15, **wherein** it comprises means for searching content packets.

26. A wireless communication device to be used in a content provision system, which content provision system comprises at least means for forming at least one content component from content, and which wireless communication device comprises means for activating the content, **wherein** the wireless communication device further comprises means for loading a content packet stored in a content provision system in the wireless communication device, which content packet is produced of one or more content components supplemented with at least one content component data structure containing defined information related to said at least one content component.
27. The wireless communication device according to claim 26, **wherein** it further comprises means for activating at least one content packet loaded into the wireless communication device.
28. A storage means in which a content provision application is arranged to be stored, **wherein** said content provision application comprises program commands to be executed by one or more processors, whereby:
- at least one content component is formed from the contents,  
said at least one content component is supplemented with at least one data structure, in which information associated with the content component is defined,
- at least one content packet is formed,  
said at least one content packet is supplemented with said at least one content component and at least one data structure related to said at least one content component, and  
said content packet is stored in the wireless communication device for uploading.
29. A storage means in which a content loading application is arranged to be stored, **wherein** said content loading application comprises program commands to be executed by one or more processors, whereby:
- of the content packets stored in the content provision system, at least one is selected to be loaded into a wireless communication device,

said selected content packet being supplemented with at least one content component, and said at least one content component being supplemented with at least one data structure in which information related to said at least one content component is defined.

- 5 a request is transmitted to the content provision system, for transmitting selected at least one content packet into the wireless communication terminal,  
the transmitted content packet is received, and  
the received content packet is stored in the memory means of the wireless communication terminal.
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30. A business method for providing contents for a wireless communication device which is equipped with at least means for utilizing the contents and in which at least one content component is formed of the

- 15 contents, **wherein** said at least one content component is supplemented with at least one data structure, in which information associated with the content component is defined, at least one content packet is formed, which is supplemented with said at least one content component and at least one data structure related to said at least one content component, price information on the content packet is defined, said content packet is stored, and said content packet is loaded into the wireless communication device, wherein in connection with the loading stage, a step of charging of a payment is performed, in which the user of the wireless communication device is debited, on the basis of said price information, the payment for the loading of the content packet.

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31. A method for preventing a copying of contents for a wireless communication device, which wireless communication device is

- 30 equipped with at least means for storing identification information, and  
means for utilizing the contents and in which at least one content  
component is formed of the contents, **wherein** said at least one content  
component is supplemented with at least one data structure, in  
which information associated with the content component is defined, at  
least one content packet is formed, which is supplemented with said at  
least one content component and at least one data structure related to  
said at least one content component, copy protection information on

the content packet is defined, said content packet is stored, and said content packet is selected for loading into the wireless communication device, wherein in connection with the loading stage, a step of examining of the identification information is performed, in which the  
5 copy protection information of the content packet is compared with the identification information of the wireless communication device, and if the comparison indicates that the copy protection information of the content packet matches with the identification information of the wireless communication device, the loading of the content packet is  
10 performed.

32. A method for preventing an unauthorized use of contents for a wireless communication device, which wireless communication device is equipped with at least means for storing identification information, and means for utilizing the contents and in which at least one content component is formed of the contents, **wherein** said at least one content component is supplemented with at least one data structure, in which information associated with the content component is defined, at least one content packet is formed, which is supplemented with said at least one content component and at least one data structure related to said at least one content component, authentication information on the content packet is defined, said content packet is stored, and said content packet is selected for use in the wireless communication device, wherein in connection with the usage stage, a step of examining of the identification information is performed, in which the authentication information of the content packet is compared with the identification information of the wireless communication device, and if the comparison indicates that the authentication information of the content packet matches with the identification information of the wireless communication device, the usage of the content packet is  
20 allowed.  
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